

SP00-386

FORM PTO-1449 (MODIFIED)

ATTORNEY DOCKET NO.

SERIAL NO.

SP00-386

10/023,291

APPLICANT George E. Berkey, et al.

FILING DATE 12/14/2001

GROUP: 2874



REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date if Approp.
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-Class	Translation Yes No
<i>JH</i>	AL	EP0785448A	23/7/97	Europe	G02B	6/16	
	AM						
	AN						
	AO						
	AP						
	AQ						

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

AR	
AS	
AT	
AU	
AV	
AW	

EXAMINER: *JH*DATE CONSIDERED: *6-03*

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Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date if Approp.
	AA	3,933,454	01/20/76	DeLuca	65	3	
	AB	4,345,928	08/24/82	Kawachi et al	65	18.2	
	AC	4,462,970	07/31/84	Pastor et al	423	263	
	AD	4,462,974	07/31/84	Pastor et al	423	335	
	AE	4,465,656	08/14/84	Pastor et al	423	339	
	AF	4,515,612	05/07/85	Burrus, Jr. et al	65	3.12	
	AG	4,526,599	07/02/85	Barns et al	65	3.12	
	AH	4,675,040	06/23/87	Tanaka et al	65	3.12	
	AI	4,684,383	08/04/87	Cavender, Jr. et al	65	3.12	
	AJ	4,822,136	04/18/89	Hicks, Jr.	350	96.34	
	AK	4,842,626	06/27/89	Barns et al	65	2	

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		Document Number	Date	Country	Class	Sub-Class	Translation Yes	No
✓ Relevance?	AL	DD 292 587 A7	08/08/91	Germany	C03B	37/018		X
✓ Relevance?	AM	DE 3206143 A1	02/20/82	Germany	C03B	37/075		X
✓ Relevance?	AN	DE 3713029 A1	04/16/87	Germany	C03B	37/012		X
✓ Relevance?	AO	EP 0164681 B1	06/05/85	Europe	G02B	6/16		
✓ Relevance?	AP	EP 0321182 A2	12/13/88	Europe	C03B	37/025		
✓ Relevance?	AQ	EP 0656326 B1	11/23/94	Europe	C03B	37/018		

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

✓	AR	Fiber-Optic Communications Systems 2 nd Edition, G. P. Agrawal, p. 223	Date?
✓	AS	Fiber-Optic Communications Systems 2 nd Edition, Agrawal, p. 113	Date?
✓	AT	Belov et al, "OH Absorption in GeO ₂ -Doped Fused Silica Fibres", Electronics Letters, Sept. 16, 1982, vol. 18, No. 19, pp. 836-837	
✓	AU	Birks et al, "Elimination of Water Peak in Optical Fibre Taper Components", Electronics Letters, Oct. 11, 1990, vol. 26, No. 21, pp. 1761-1762	

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FORM PTO-1449 (MODIFIED)		ATTORNEY DOCKET NO.	SERIAL NO.
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS INFORMATION DISCLOSURE STATEMENT		SP00-386	10/023,291
		APPLICANT Berkey et al.	
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REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date if Approp.
	AV	5,318,611	06/07/94	Merritt	65	3.12	
	AW	5,397,372	03/14/95	Partus et al	65	391	
	AX	5,692,087	11/25/97	Partus et al	385	123	
	AY	6,131,415	10/17/00	Chang et al	65	391	
	AZ	6,205,268	03/20/01	Chraplyvy et al	385	24	
	BA	6,266,980	07/31/01	Lemon et al	65	414	
	BB	US 2002/0028051	03/07/02	Bickham et al	385	123	
	BC	US 2002/0051612	05/02/02	Shimizu et al	385	123	
	BD	09/547,598		Berkey et al			04/11/00

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		Document Number	Date	Country	Class	Sub-Class	Translation Yes No
	BE ✓	EP 0887670 A2	06/09/98	Europe	G02B	6/16	
	BF ✗	EP 1030473 A3	02/09/00	Europe	H04B	10/18	
	BG ✗	EP 1182176 A1	08/25/00	Europe	C03C	25/00	
	BH ✗	EP 1215179 A2	10/19/01	Europe	C03B	37/014	
	BI ✗	GB 2 149 392 A	11/11/83	United Kingdom	C03C	23/00	
	BJ ✓	1-242432	9/27/89	Japan	C03B	37/018	X

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	BK ✓	Chang et al, "New Hydrogen Aging Loss Mechanism in the 1400 nm Window", Optical Fiber Communication Conference, 1999, Bell Laboratories, Lucent Technologies, Norcross, GA, pp. PD22-1-PD22-3
	BL ✗	Chida et al, "Fabrication of OH-Free Multimode Fiber by Vapor Phase Axial Deposition", IEEE Journal of Quantum Electronics, Nov. 1982, vol. QE-18, No. 11, pp. 1883-1889
	BM ✗	Chida et al, "VAD Graded-Index Optical Fiber Fabrication", Review of the Electrical Communication Laboratories, (1984), vol. 32, No. 3, pp. 404-410

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PATENT & TRADEMARK OFFICE

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date if Approp.
	BN	09/558,770		Allen et al			04/26/00
	BO	09/722,804		Bookbinder et al			11/27/00
	BP	09/822,168		Berkey et al			03/31/01
	BQ	09/996,632		Berkey et al			11/28/01
	BR	10/023,291		Berkey et al			12/14/01
	BS	60/309,160		Berkey et al			07/31/02

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		Document Number	Date	Country	Class	Sub-Class	Translation Yes	No
	BT	10-68834	✓ 03/10/98	Japan	G02B	6/16		X
	BU	55-23081	✓ 02/19/80	Japan	C03B	37/00		X
	BV	57-17433	✓ 01/29/82	Japan	C03B	37/00		X
	BW	57-34034	✓ 02/24/82	Japan	C03B	37/00		X
	BX	60-71536	✓ 04/23/85	Japan	C03B	37/018		X
	BY	60-86043	✓ 05/15/85	Japan	C03B	37/018		X
	BZ	63-225546	✓ 09/20/88	Japan	C03B	37/018	X	
	CA	WO00/64824	✓ 11/02/00	PCT	C03B	37/00		
	CB	WO00/64825	✓ 11/02/00	PCT	C03B	37/014		

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CC	Dianov et al, "Low-Hydrogen Silicon Oxynitride Optical Fibers Prepared by SPCVD", Journal of Lightwave Technology, July 1995, vol. 13, No. 7, pp. 1471-1474
CD	Diaz de la Iglesia et al, "Loss Spread in Single-Mode Fibers Due to OH-Ion Concentration and Transmter-Wavelength Eluctuations", International Wire & Cable Symposium Proceedings 1987, pp. 629-639
CE	Hanawa et al, "Fabrication of Completely OH-Free V.A.D. Fibre", Electronics Letters, August 28, 1980, vol. 16, No. 18, pp. 699-700

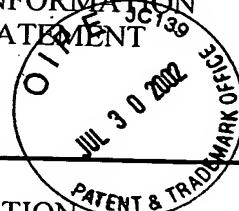
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	CF						

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	CG						

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CH	Iino et al, "Mechanisms of Hydrogen-Induced Losses in Silica-Based Optical Fibers", Journal of Lightwave Technology, Nov. 1990, vol. 8, No. 11, pp. 1675-1679
CI	Jablonowski, "Fiber Manufacture at AT&T with the MCVD Process", Journal of Lightwave Technology, Aug. 1986, vol. LT-4, No. 8, pp. 1016-1019
CJ	Keck et al, "On the ultimate lower limit of attenuation in glass optical waveguides", Applied Phys. Letters, April 1973, vol. 22, No. 7, pp. 307-309
CK	Kosaka et al, "Fabrication of ultra low-loss and low-OH VAD single mode fibers", Optical Communication, ECOC '84, 10 th European Conference on Optical Communication, Sept. 3-6, 1984, Stuttgart, FRG
CL	Kosaka et al, "(1144) A Low Loss, Low OH Content, Single-Mode Fiber", The 1984 National Convention of the Electronic Telecommunications Society (Japanese with English language translation)
CM	Moriyama et al, "Ultimately Low OH Content V.A.D. Optical Fibres", Electronic Letters, Aug 28, 1980, Vol. 16, No. 18, pp. 698-699
CN	Murata, "Recent Developments in Vapor Phase Axial Deposition", Journal of Lightwave Technology, Aug. 1986, vol. LT-4, No. 8, pp. 1026-1033
CO	Bachmann et al, "Low OH Excess Loss PCVD Fibres Prepared by Fluorine Doping", Electronics Letters, Jan 5, 1984, vol. 20, No. 1, pp. 35-37
CP	MicroPatent Report of Abstract of JP63008707, June 30, 1986, Fujikura Ltd

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	CQ						
	CR						

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		Document Number	Date	Country	Class	Sub-Class	Translation Yes No
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	CT						
	CU						

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<i>M</i>	CV	Nakahara et al, "Loss Increase in Deuterium-Doped VAD Fibres with Heat Treatment", Electronics Letters, April 12, 1984, Vol. 20, No. 8, pp. 327-329
<i>M</i>	CW	Osanai et al, "Effect of Dopants on Transmission Loss of Low-OH-Content Optical Fibres", Electronics Letters, Oct. 14, 1976, Vol. 12, No. 21, pp. 549-550
<i>M</i>	CX	Peder-Gothoni et al, "Reduction of Hydroxyl Ion Diffusion in Optical Fibers", Optics Communications, June 1, 1985, vol. 54, No. 3, pp. 137-140
<i>M</i>	CY	Stone et al, "Overtone vibrations of OH groups in fused silica optical fibers", J. Chem. Phys. 76(4), Feb. 15, 1982, , pp. 1712-1722
<i>M</i>	CZ	Stone, "Interactions of Hydrogen and Deuterium with Silica Optical Fibers: A Review", Journal of Lightwave Technology, May 1987, vol. LT-5, No. 5, pp. 712-733
<i>M</i>	DA	Stone et al, "Reduction of the 1.38- μ m Water Peak in Optical Fibers by Deuterium-Hydrogen Exchange", AT&T, The Bell System Technical Journal, Oct. 1980, vol. 59, No. 8
<i>M</i>	DB	Tsujikawa et al, "Reduction of OH absorption loss by deuteration in $\text{Na}_2\text{O}-\text{Al}_2\text{O}_3\text{SiO}_2$ glass fibre", Electronics Letters, Oct. 15, 1998, vol. 34, No. 21

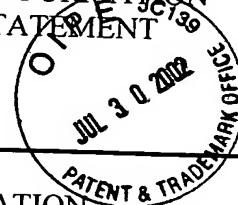
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	DC						
	DD						

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		Document Number	Date	Country	Class	Sub-Class	Translation Yes No
	DE						
	DF						
	DG						

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	DH	MicroPatent Report of Abstract of JP01242432, March 23, 1988, Furukawa Electric Co. Ltd (Corresponds to item BJ herein)
	DI	MicroPatent Report of Abstract of JP10068834, August 28, 1996, Sumitomo Electric (Corresponds to item BT herein)
	DJ	MicroPatent Report of Abstract of JP55023081, August 8, 1978, Sumitomo Electric (Corresponds to item BU herein)
	DK	MicroPatent Report of Abstract of JP57017433, May 24, 1980, Nippon Telegraph & Telephone Corp (Corresponds to item BV herein)
	DL	MicroPatent Report of Abstract of JP57034034, August 5, 1980, Nippon Telegraph & Telephone Corp. (Corresponds to item BW herein)
	DM	MicroPatent Report of Abstract of JP60071536, August 10, 1984, Nippon Telegraph & Telephone Corp. (Corresponds to item BX herein)
	DN	MicroPatent Report of Abstract of JP60086043, October 14, 1983, Nippon Telegraph & Telephone Corp. (Corresponds to item BY herein)

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